

# Certificate of constancy of performance

according to Regulation (EU) No. 305/2011



**Certificate No.:** 1008-CPR-MC 69266046 0001

**Report No.:** HU22KMS0 001

**Applicant:** Zhejiang Huaxiao Technology Co.,Ltd.  
1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street,  
Fuyang District, Hangzhou, Zhejiang, China

**Manufacturer:** Zhejiang Huaxiao Technology Co.,Ltd.  
1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street,  
Fuyang District, Hangzhou, Zhejiang, China

**Manufacturing plant:** Zhejiang Huaxiao Technology Co.,Ltd.  
1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street,  
Fuyang District, Hangzhou, Zhejiang, China

**Product:** Smoke alarm

**Identification:** DHI-HY-SA20A, DHI-HY-SA2TA, DHI-HY-SA21A-W2,  
DHI-HY-SA21A-W2 (868) and DHI-HY-SA2FA  
Smoke Alarm  
Intended use: Fire Safety

FPC Report No.: HU228Q06 001  
Test report No.: CN222T6K 001

**System of assessment and verification:** 1

**Tested according to:** EN 14604: 2005; EN 14604: 2005/AC:2008

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance described in Annex ZA of the above standard(s) under above system are applied and the product fulfils all the prescribed requirements set out above.  
This certificate was first issued on 2022-03-26 and it will remain valid until the test methods and/or factory production control requirements included in the standard, used to assess the performance of the declared characteristics, and the product, and the manufacturing conditions in the plant are unchanged. The manufacturing plant and factory production control system of the manufacturer is supervised regularly by the Certification Body.

Certification Body

**Date of issue:**  
Budapest, 2022-03-26

A handwritten signature in black ink, appearing to read 'Ferencne Schmidt', positioned above a horizontal line.  
Ferencne Schmidt


TÜV Rheinland InterCert Kft., Product Certification Body — H-1143 Budapest, Gizella út 51-57. — [www.tuv.com](http://www.tuv.com)  
Notified Body No. 1008

Validity of certificate can be checked on [www.CERTIPEDIA.com](http://www.CERTIPEDIA.com)

Essential characteristics	Performance	Harmonised technical specification
Operational reliability	Pass	EN 14604: 2005 EN 14604: 2005/AC:2008
Repeatability	Pass	
Directional dependence	Pass	
Initial sensitivity	Pass	
Air movement	Pass	
Dazzling (45°, 90°)	Pass	
Dry heat (55±2°C, 2h)	Pass	
Cold (operational) (0±2°C, 2h)	Pass	
Damp heat (operational) (40±2°C, 93±3%, 96h)	Pass	
Sulphur dioxide (SO <sub>2</sub> ) corrosion (25 °C; 93 %; 25 ppm; 4 days)	Pass	
Impact (1,9±0,1 J; 1 time)	Pass	
Vibration (operational) (10 to 150 Hz; 5m/s <sup>2</sup> ; 3 axes)	Pass	
Vibration (endurance) (10 to 150 Hz; 10m/s <sup>2</sup> ; 3 axes)	Pass	
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	
Fire sensitivity (TF2; TF3; TF4; TF5)	Pass	
Battery fault warning	Pass	
Sound output	Pass	
Sounder durability	Pass	
Inter-connectable smoke alarms	N/A	
Alarm silence facility	Pass	
Variation in supply voltage	Pass	
Battery reversal	Pass	
Back-up power source	N/A	
Electrical safety	Pass	

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 Ferencne Schmidt

Application Product model	Alternative Customer Model	Description
DHI-HY-SA20A	-	Basic model
	SA20A-A, SA20A-B, SA20A-C , DHI-HY-SA20B	Same structure as DHI-HY-SA20A
DHI-HY-SA2TA	-	Add Bluetooth module basis of DHI-HY-SA20A
	BF1S	Same structure as DHI-HY-SA2TA
	SA2TA-A	Same structure as DHI-HY-SA2TA
DHI-HY-SA21A-W2	-	Add 433 module basis of DHI-HY-SA20A
	SA21A-433-A, SA21A-433-B	Same structure as DHI-HY-SA21A-W2
DHI-HY-SA21A-W2(868)	-	Add 868 module basis of DHI-HY-SA20A
	SA21A-868-A, SA21A-868-B	Same structure as DHI-HY-SA21A-W2(868)
DHI-HY-SA2FA	-	Add WIFI(2.4G) module basis of DHI-HY-SA20A
	SA2FA-A, SA2FA-B	Same structure as DHI-HY-SA2FA
	WF1S	Same structure as DHI-HY-SA2FA

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Ferencne Schmidt